



#13

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/830,915C  
Source: PGT/09  
Date Processed by STIC: 2/26/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



PCT09

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/830,915C

DATE: 02/26/2003

TIME: 14:55:43

Input Set : A:\pf0633usn\_seqlist.txt  
 Output Set: N:\CRF4\02262003\I830915C.raw

```

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5      HILLMAN, Jennifer L.
6      YUE, Henry
7      TANG, Y. Tom
8      LAL, Preeti
9      CORLEY, Neil C.
10     GUEGLER, Karl J.
11     BAUGHN, Mariah R.
12     AZIMZAI, Yalda
13     LU, Dyung Aina M.
15 <120> TITLE OF INVENTION: MEMBRANE TRANSPORT PROTEINS
17 <130> FILE REFERENCE: PF-0633 USN
19 <140> CURRENT APPLICATION NUMBER: US 09/830,915C
20 <141> CURRENT FILING DATE: 2001-05-01
22 <150> PRIOR APPLICATION NUMBER: US 99/26048
23 <151> PRIOR FILING DATE: 1999-11-04
25 <150> PRIOR APPLICATION NUMBER: US 60/121,896
26 <151> PRIOR FILING DATE: 1999-02-26
28 <150> PRIOR APPLICATION NUMBER: US 60/172,214
29 <151> PRIOR FILING DATE: 1998-12-22
31 <150> PRIOR APPLICATION NUMBER: US 60/172,252
32 <151> PRIOR FILING DATE: 1998-11-24
34 <150> PRIOR APPLICATION NUMBER: US 60/172,255
35 <151> PRIOR FILING DATE: 1998-11-04
37 <160> NUMBER OF SEQ ID NOS: 42
39 <170> SOFTWARE: PERL Program
41 <210> SEQ ID NO: 1
42 <211> LENGTH: 384
43 <212> TYPE: PRT
44 <213> ORGANISM: Homo sapiens
46 <220> FEATURE:
47 <221> NAME/KEY: misc_feature
48 <223> OTHER INFORMATION: Incyte ID No: 961344CD1
50 <400> SEQUENCE: 1
51 Met Leu Thr Gly Asp Lys Leu Glu Thr Ala Thr Cys Ile Ala Lys
52      1           5           10          15
53 Ser Ser His Leu Val Ser Arg Thr Gln Asp Ile His Ile Phe Arg
54      20          25          30
55 Gln Val Thr Ser Arg Gly Glu Ala His Leu Glu Leu Asn Ala Phe
56      35          40          45
57 Arg Arg Lys His Asp Cys Ala Leu Val Ile Ser Gly Asp Ser Leu
58      50          55          60
59 Glu Val Cys Leu Lys Tyr Tyr Glu His Glu Phe Val Glu Leu Ala

```

**Does Not Comply  
Corrected Diskette Needed**

P. 6

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/830,915C

DATE: 02/26/2003  
TIME: 14:55:43

Input Set : A:\pf0633usn\_seqlist.txt  
Output Set: N:\CRF4\02262003\I830915C.raw

60	65	70	75
61	Cys Gln Cys Pro Ala Val Val Cys Cys Arg Cys Ser Pro Thr Gln		
62	80	85	90
63	Lys Ala Arg Ile Val Thr Leu Leu Gln Gln His Thr Gly Arg Arg		
64	95	100	105
66	Thr Cys Ala Ile Gly Asp Gly Gly Asn Asp Val Ser Met Ile Gln		
67	110	115	120
68	Ala Ala Asp Cys Gly Ile Gly Ile Glu Gly Lys Glu Gly Lys Gln		
69	125	130	135
70	Ala Ser Leu Ala Ala Asp Phe Ser Ile Thr Gln Phe Arg His Ile		
71	140	145	150
72	Gly Arg Leu Leu Met Val His Gly Arg Asn Ser Tyr Lys Arg Ser		
73	155	160	165
74	Ala Ala Leu Gly Gln Phe Val Met His Arg Gly Leu Ile Ile Ser		
75	170	175	180
76	Thr Met Gln Ala Val Phe Ser Ser Val Phe Tyr Phe Ala Ser Val		
77	185	190	195
78	Pro Leu Tyr Gln Gly Phe Leu Met Val Gly Tyr Ala Thr Ile Tyr		
79	200	205	210
80	Thr Met Phe Pro Val Phe Ser Leu Val Leu Asp Gln Asp Val Lys		
81	215	220	225
82	Pro Glu Met Ala Met Leu Tyr Pro Glu Leu Tyr Lys Asp Leu Thr		
83	230	235	240
84	Lys Gly Arg Ser Leu Ser Phe Lys Thr Phe Leu Ile Trp Val Leu		
85	245	250	255
86	Ile Ser Ile Tyr Gln Gly Gly Ile Leu Met Tyr Gly Ala Leu Val		
87	260	265	270
88	Leu Phe Glu Ser Glu Phe Val His Val Val Ala Ile Ser Phe Thr		
89	275	280	285
90	Ala Leu Ile Leu Thr Glu Leu Leu Met Val Ala Leu Thr Val Arg		
91	290	295	300
92	Thr Trp His Trp Leu Met Val Val Ala Glu Phe Leu Ser Leu Gly		
93	305	310	315
94	Cys Tyr Val Ser Ser Leu Ala Phe Leu Asn Glu Tyr Phe Gly Ile		
95	320	325	330
96	Gly Arg Val Ser Phe Gly Ala Phe Leu Asp Val Ala Phe Ile Thr		
97	335	340	345
98	Thr Val Thr Phe Leu Trp Lys Val Ser Ala Ile Thr Val Val Ser		
99	350	355	360
100	Cys Leu Pro Leu Tyr Val Leu Lys Tyr Leu Arg Arg Lys Leu Ser		
101	365	370	375
102	Pro Pro Ser Tyr Cys Lys Leu Ala Ser		
103	380		
106	<210> SEQ ID NO: 2		
107	<211> LENGTH: 846		
108	<212> TYPE: PRT		
109	<213> ORGANISM: Homo sapiens		
111	<220> FEATURE:		
112	<221> NAME/KEY: misc_feature		

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,915C

DATE: 02/26/2003

TIME: 14:55:43

Input Set : A:\pf0633usn\_seqlist.txt  
Output Set: N:\CRF4\02262003\I830915C.raw

113 <223> OTHER INFORMATION: Incyte ID No: 3128782CD1  
115 <400> SEQUENCE: 2  
116 Met Pro Lys Ala Pro Lys Gln Gln Pro Pro Glu Pro Glu Trp Ile  
117 1 5 10 15  
118 Gly Asp Gly Glu Ser Thr Ser Pro Ser Asp Lys Val Val Lys Lys  
119 20 25 30  
120 Gly Lys Lys Asp Lys Lys Ile Lys Lys Thr Phe Phe Glu Glu Leu  
121 35 40 45  
122 Ala Val Glu Asp Lys Gln Ala Gly Glu Glu Lys Val Leu Lys  
123 50 55 60  
124 Glu Lys Glu Gln Gln Gln Gln Gln Gln Gln Gln Gln Lys  
125 65 70 75  
126 Lys Lys Arg Asp Thr Arg Lys Gly Arg Arg Lys Lys Asp Val Asp  
127 80 85 90  
128 Asp Asp Gly Glu Glu Lys Glu Leu Met Glu Arg Leu Lys Lys Leu  
129 95 100 105  
130 Ser Val Pro Thr Ser Asp Glu Glu Asp Glu Val Pro Ala Pro Lys  
131 110 115 120  
132 Pro Arg Gly Gly Lys Lys Thr Lys Gly Gly Asn Val Phe Ala Ala  
133 125 130 135  
134 Leu Ile Gln Asp Gln Ser Glu Glu Glu Glu Glu Glu Lys His  
135 140 145 150  
136 Pro Pro Lys Pro Ala Lys Pro Glu Lys Asn Arg Ile Asn Lys Ala  
137 155 160 165  
138 Val Ser Glu Glu Gln Gln Pro Ala Leu Lys Gly Lys Lys Gly Lys  
139 170 175 180  
140 Glu Glu Lys Ser Lys Gly Lys Ala Lys Pro Gln Asn Lys Phe Ala  
141 185 190 195  
142 Ala Leu Asp Asn Glu Glu Glu Asp Lys Glu Glu Glu Ile Ile Lys  
143 200 205 210  
144 Glu Lys Glu Pro Pro Lys Gln Gly Lys Glu Lys Ala Lys Lys Ala  
145 215 220 225  
146 Glu Gln Gly Ser Glu Glu Glu Gly Glu Glu Glu Glu Glu Glu  
147 230 235 240  
148 Glu Gly Gly Glu Ser Lys Ala Asp Asp Pro Tyr Ala His Leu Ser  
149 245 250 255  
150 Lys Lys Glu Lys Lys Lys Leu Lys Lys Gln Met Glu Tyr Glu Arg  
151 260 265 270  
152 Gln Val Ala Ser Leu Lys Ala Ala Asn Ala Ala Glu Asn Asp Phe  
153 275 280 285  
154 Ser Val Ser Gln Ala Glu Met Ser Ser Arg Gln Ala Met Leu Glu  
155 290 295 300  
156 Asn Ala Ser Asp Ile Lys Leu Glu Lys Phe Ser Ile Ser Ala His  
157 305 310 315  
158 Gly Lys Glu Leu Phe Val Asn Ala Asp Leu Tyr Ile Val Ala Gly  
159 320 325 330  
160 Arg Arg Tyr Gly Leu Val Gly Pro Asn Gly Lys Gly Lys Thr Thr  
161 335 340 345  
162 Leu Leu Lys His Ile Ala Asn Arg Ala Leu Ser Ile Pro Pro Asn

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,915C

DATE: 02/26/2003

TIME: 14:55:43

Input Set : A:\pf0633usn\_seqlist.txt  
 Output Set: N:\CRF4\02262003\I830915C.raw

163	350	355	360
164	Ile Asp Val Leu Leu Cys Glu Gln Glu	Val Val Ala Asp Glu	Thr
165	365	370	375
166	Pro Ala Val Gln Ala Val Leu Arg Ala	Asp Thr Lys Arg Leu	Lys
167	380	385	390
168	Leu Leu Glu Glu Glu Arg Arg Leu Gln	Gly Gln Leu Glu Gln	Gly
169	395	400	405
170	Asp Asp Thr Ala Ala Glu Arg Leu Glu	Lys Val Tyr Glu Glu	Leu
171	410	415	420
172	Arg Ala Thr Gly Ala Ala Ala Ala	Glu Ala Lys Ala Arg Arg	Ile
173	425	430	435
174	Leu Ala Gly Leu Gly Phe Asp Pro Glu	Met Gln Asn Arg Pro	Thr
175	440	445	450
176	Gln Lys Phe Ser Gly Gly Trp Arg Met	Arg Val Ser Leu Ala	Arg
177	455	460	465
178	Ala Leu Phe Met Glu Pro Thr Leu Leu	Met Leu Asp Glu Pro	Thr
179	470	475	480
180	Asn His Leu Asp Leu Asn Ala Val Ile	Trp Leu Asn Asn Tyr	Leu
181	485	490	495
182	Gln Gly Trp Arg Lys Thr Leu Leu Ile	Val Ser His Asp Gln	Gly
183	500	505	510
184	Phe Leu Asp Asp Val Cys Thr Asp Ile	Ile His Leu Asp Ala	Gln
185	515	520	525
186	Arg Leu His Tyr Tyr Arg Gly Asn Tyr	Met Thr Phe Lys Lys	Met
187	530	535	540
188	Tyr Gln Gln Lys Gln Lys Glu Leu Leu	Lys Gln Tyr Glu Lys	Gln
189	545	550	555
190	Glu Lys Lys Leu Lys Glu Leu Lys Ala	Gly Gly Lys Ser Thr	Lys
191	560	565	570
192	Gln Ala Glu Lys Gln Thr Lys Glu Ala	Leu Thr Arg Lys Gln	Gln
193	575	580	585
194	Lys Cys Arg Arg Lys Asn Gln Asp Glu	Glu Ser Gln Glu Ala	Pro
195	590	595	600
196	Glu Leu Leu Lys Arg Pro Lys Glu Tyr	Thr Val Arg Phe Thr	Phe
197	605	610	615
198	Pro Asp Pro Pro Pro Leu Ser Pro Pro	Val Leu Gly Leu His	Gly
199	620	625	630
200	Val Thr Phe Gly Tyr Gln Gly Gln Lys	Pro Leu Phe Lys Asn	Leu
201	635	640	645
202	Asp Phe Gly Ile Asp Met Asp Ser Arg	Ile Cys Ile Val Gly	Pro
203	650	655	660
204	Asn Gly Val Gly Lys Ser Thr Leu Leu	Leu Leu Leu Thr Gly	Lys
205	665	670	675
206	Leu Thr Pro Thr His Gly Glu Met Arg	Lys Asn His Arg Leu	Lys
207	680	685	690
208	Ile Gly Phe Phe Asn Gln Gln Tyr Ala	Glu Gln Leu Arg Met	Glu
209	695	700	705
210	Glu Thr Pro Thr Glu Tyr Leu Gln Arg	Gly Phe Asn Leu Pro	Tyr
211	710	715	720

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/830,915C

DATE: 02/26/2003  
TIME: 14:55:43

Input Set : A:\pf0633usn\_seqlist.txt  
Output Set: N:\CRF4\02262003\I830915C.raw

212 Gln Asp Ala Arg Lys Cys Leu Gly Arg Phe Gly Leu Glu Ser His  
213 725 730 735  
214 Ala His Thr Ile Gln Ile Cys Lys Leu Ser Gly Gly Gln Lys Ala  
215 740 745 750  
216 Arg Val Val Phe Ala Glu Leu Ala Cys Arg Glu Pro Asp Val Leu  
217 755 760 765  
218 Ile Leu Asp Glu Pro Thr Asn Asn Leu Asp Ile Glu Ser Ile Asp  
219 770 775 780  
220 Ala Leu Gly Glu Ala Ile Asn Glu Tyr Lys Gly Ala Val Ile Val  
221 785 790 795  
222 Val Ser His Asp Ala Arg Leu Ile Thr Glu Thr Asn Cys Gln Leu  
223 800 805 810  
224 Trp Val Val Glu Glu Gln Ser Val Ser Gln Ile Asp Gly Asp Phe  
225 815 820 825  
226 Glu Asp Tyr Lys Arg Glu Val Leu Glu Ala Leu Gly Glu Val Met  
227 830 835 840  
228 Val Ser Arg Pro Arg Glu  
229 845  
232 <210> SEQ ID NO: 3  
233 <211> LENGTH: 511  
234 <212> TYPE: PRT  
235 <213> ORGANISM: 'Homo sapiens  
237 <220> FEATURE:  
238 <221> NAME/KEY: misc\_feature  
239 <223> OTHER INFORMATION: Incyte ID No: 1720440CD1  
241 <400> SEQUENCE: 3

242 Met Glu Asn Arg Asn Glu Phe Val Gly Leu Trp Leu Gly Met Ala  
243 1 5 10 15  
244 Lys Leu Gly Val Glu Ala Ala Leu Ile Asn Thr Asn Leu Arg Arg  
245 20 25 30  
246 Asp Ala Leu Leu His Cys Leu Thr Thr Ser Arg Ala Arg Ala Leu  
247 35 40 45  
248 Val Phe Gly Ser Glu Met Ala Ser Ala Ile Cys Glu Val His Ala  
249 50 55 60  
250 Ser Leu Asp Pro Ser Leu Ser Leu Phe Cys Ser Gly Ser Trp Glu  
251 65 70 75  
252 Pro Gly Ala Val Pro Pro Ser Thr Glu His Leu Asp Pro Leu Leu  
253 80 85 90  
254 Lys Asp Ala Pro Lys His Leu Pro Ser Cys Pro Asp Lys Gly Phe  
255 95 100 105  
256 Thr Asp Lys Leu Phe Tyr Ile Tyr Thr Ser Gly Thr Thr Gly Leu  
257 110 115 120  
258 Pro Lys Ala Ala Ile Val Val His Ser Arg Tyr Tyr Arg Met Ala  
259 125 130 135  
260 Ala Leu Val Tyr Tyr Gly Phe Arg Met Arg Pro Asn Asp Ile Val  
261 140 145 150  
262 Tyr Asp Cys Leu Pro Leu Tyr His Ser Ala Gly Asn Ile Val Gly  
263 155 160 165  
264 Ile Gly Gln Cys Leu Leu His Gly Met Thr Val Val Ile Arg Lys

9/830,9/5C 6

<210> SEQ ID NO 35  
<211> LENGTH: 646  
<212> TYPE: PRT  
<213> ORGANISM: Mus musculus  
<300> PUBLICATION INFORMATION:  
<308> DATABASE ACCESSION NUMBER: GenBank ID No: g2612939  
<400> SEQUENCE: 35

<309> insert this  
MANDATORY numeric  
identifier and its  
response whenever  
<308> has a  
===== response

This error also appears in sequences 36 through 42

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/830,915C

DATE: 02/26/2003

TIME: 14:55:44

Input Set : A:\pf0633usn\_seqlist.txt  
Output Set: N:\CRF4\02262003\I830915C.raw

L:1924 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:35  
L:2022 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:36  
L:2126 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:37-  
L:2223 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:38  
L:2303 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:39  
L:2383 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:40  
L:2448 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:41  
L:2579 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:42